

FIG. 1

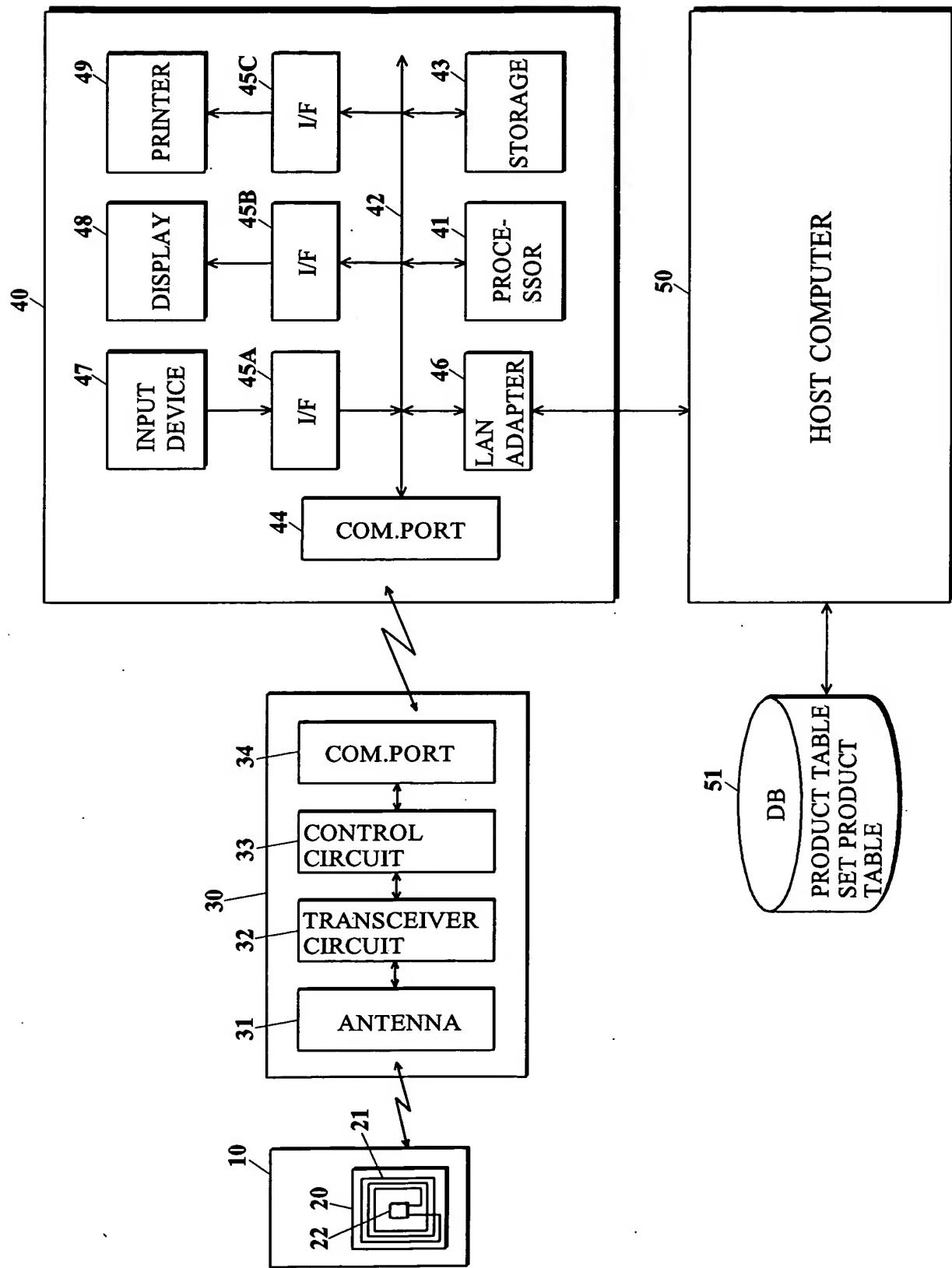


FIG.2

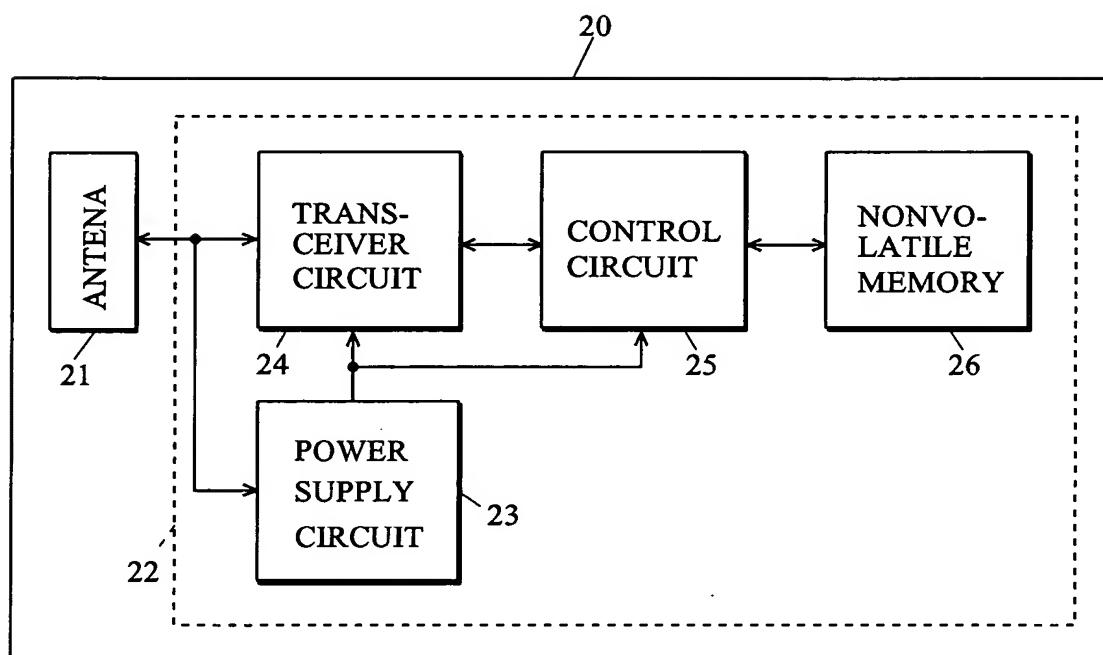


FIG.3

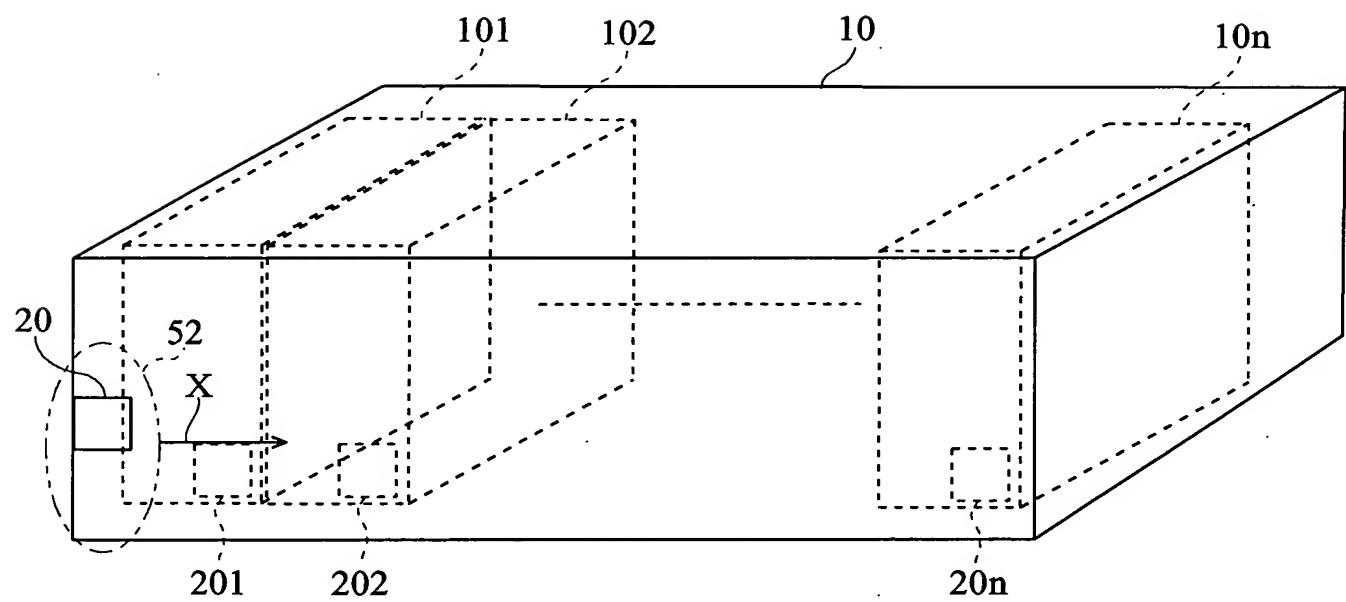


FIG.4

PRODUCT TABLE

(A)

PRODUCT ID	F	PRODUCT NAME	PRICE	
ID1	1	PN1	980	
ID2	0	PN2	100	
⋮	⋮	⋮	⋮	⋮

SET PRODUCT TABLE

(B)

"A" PRODUCT ID	"E" PRODUCT ID	COUNT	"E" PRODUCT ID	COUNT	-----
⋮	⋮	⋮	⋮	⋮	-----
ID1	ID2	N2	0	0	-----
⋮	⋮	⋮	⋮	⋮	-----

(C)

ID1	1	ID2	N2
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FIG.5

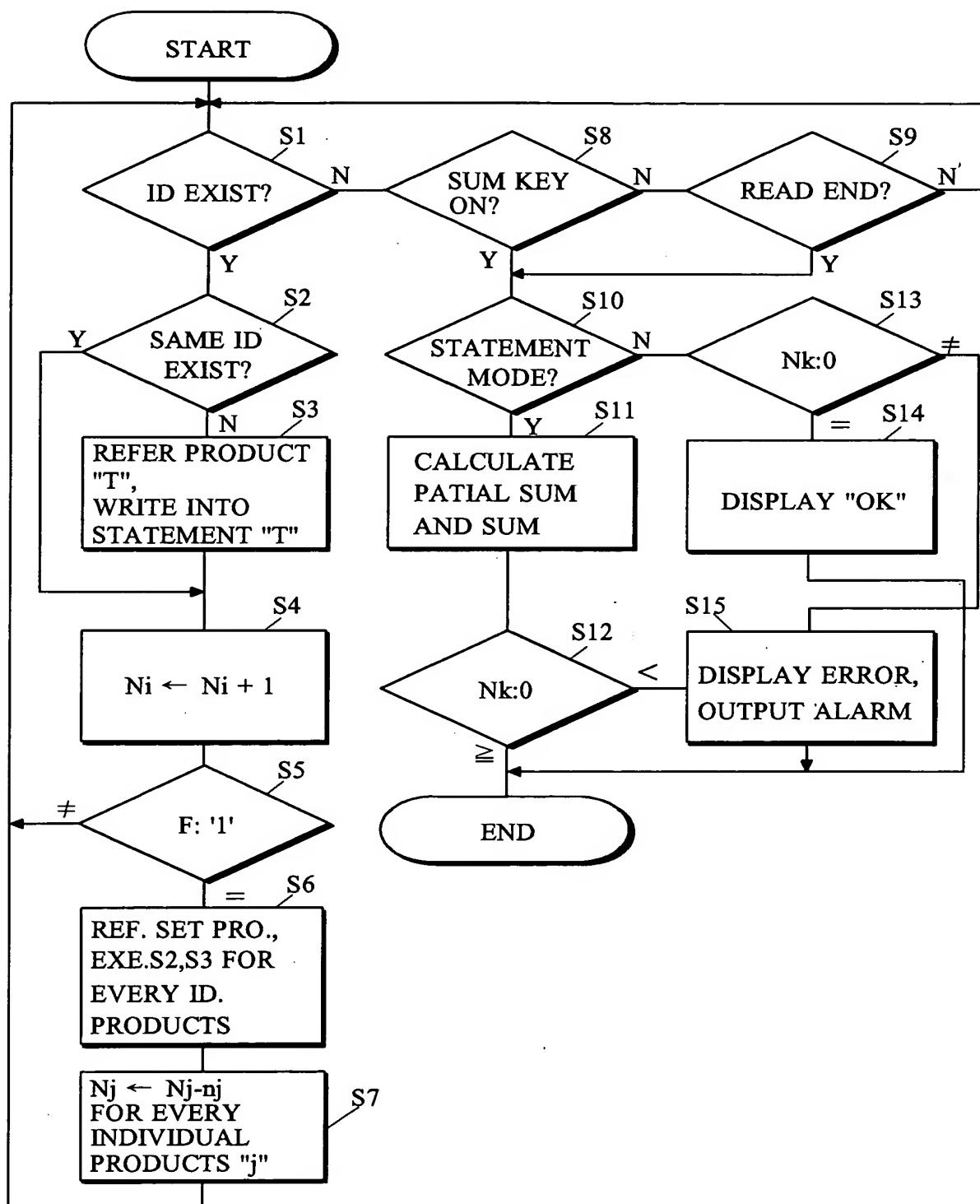


FIG.6

(A)

PRODUCT ID	F	PRODUCT NAME	PRICE	COUNT	PARTIAL SUM
ID1	1	PN1	980	1	

(B)

PRODUCT ID	F	PRODUCT NAME	PRICE	COUNT	PARTIAL SUM
ID1	1	PN1	980	1	
ID2	0	PN2	100	-10	

(C)

PRODUCT ID	F	PRODUCT NAME	PRICE	COUNT	PARTIAL SUM
ID1	1	PN1	980	1	
ID2	0	PN2	100	0	

(D)

PRODUCT ID	F	PRODUCT NAME	PRICE	COUNT	PARTIAL SUM
ID1	1	PN1	980	1	980
ID2	0	PN2	100	0	
SUM					980

FIG. 7

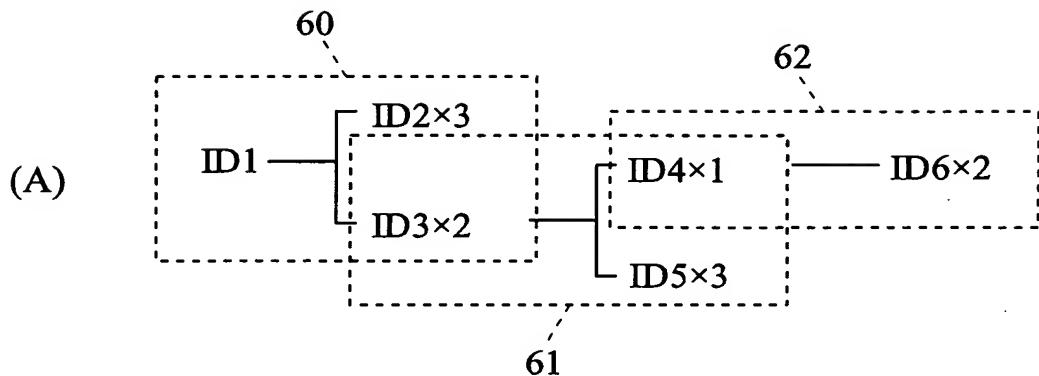
(A)

PRODUCT ID	F	PRODUCT NAME	PRICE	COUNT	PARTIAL SUM
ID1	1	PN1	980	1	980
ID2	0	PN2	100	-1	-100
SUM					880

(B)

PRODUCT ID	F	PRODUCT NAME	PRICE	COUNT	PARTIAL SUM
ID1	1	PN1	980	1	980
ID2	0	PN2	100	1	100
SUM					1080

FIG. 8



SET PRODUCT TABLE

(B)

No.	PRODUCT ID	COUNT	POINTER
1	ID2	3	2
2	ID3	2	0
⋮	⋮	⋮	⋮
102	ID4	1	103
103	ID5	3	0
⋮	⋮	⋮	⋮
157	ID6	2	0
⋮	⋮	⋮	⋮